

Remarks

Claims 1 to 12, 14 to 23, 25 to 28, and 31 to 33 remain pending in this Application. Claims 7, 9, 10, 14, 20, 21, 23, 26, and 28, have each been amended. Claim 33 has been newly added. Claims 13, 24, 29 and 30 have each been
5 canceled without prejudice.

Claims 7, 14, 21, and 26 have each been amended to include the term
--sulfide-- after "cadmium" to better clarify the limitation.

10 The Office Action states that "claims 1-8, 16-22 and 31-32 are allowed." The Office Action establishes that "the prior art record fails to disclose or reasonably suggest a flexible, hollow waveguide for transmitting radiation in visible and IR regions, comprising a composite of dielectric, sulfide-containing materials forming a photonic, bandgap tube transmitting in the visible and IR regions in combination with
15 the other limitations of claims 1 and 16." The Office Action also establishes that "the prior art record fails to disclose or reasonably suggest a method of fabricating a flexible, hollow waveguide using liquid phase deposition, comprising the steps of depositing a first layer of cadmium sulfide upon an inner, smooth bore surface of a hollow silica-glass tube; and depositing at least a second layer of lead sulfide over
20 the first layer of cadmium sulfide as recited in claim 31." Applicants appreciatively acknowledge the allowance of claims 1-8, 16-22, 31 and 32.

The Office Action states that "claims 10, 13, 14, 24, 26, 29, and 30 are objected to as being dependent upon a rejected base claim, but would be allowable

if rewritten in independent form including all of the limitations of the base claim and any intervening claims." In view of the objections, Applicants have amended claim 9 to include the limitations of objected claim 13, thereby placing the amended claim 9 in allowance. Therefore, claims 10, 11, 12, 14, and 15, are also allowable since
5 each is ultimately dependent from now allowable claim 9 as amended.

Applicants have amended claim 23 to include the limitations of objected claim 24, thereby placing the amended claim 23 in allowance. Therefore, claims 25, 26, and 27, are also allowable since each is ultimately dependent from now allowable
10 claim 23 as amended.

Applicants have amended claim 28 to include the limitations of objected claim 29, thereby placing the amended claim 28 in allowance. Applicants have also added a new claim to include the limitations of claim 28 and the objected claim 30, thereby
15 placing the new claim in allowance.

Applicants have shown that the claims as now presented are patentable over the cited references. Accordingly, it is respectfully requested that the claims be allowed, and the case passed to issue. However, if the Examiner believes that any
5 other issues remain, the Undersigned respectfully requests the Examiner to telephone him in order to provide Applicants an opportunity to remove such issues, to ensure the earliest issuance of a patent.

Respectfully submitted,

A handwritten signature in black ink that reads "Kenneth Watov". The signature is written in a cursive, flowing style.

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